

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

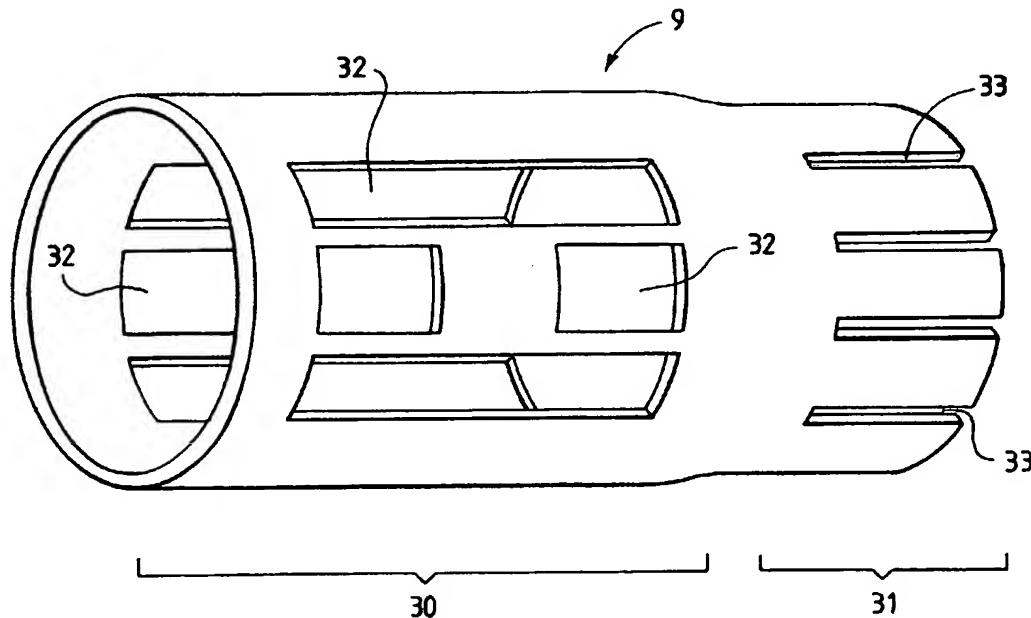
PCT

(10) International Publication Number
WO 03/077274 A1

- (51) International Patent Classification⁷: **H01J 29/70**, (74) Agent: **BERTHIER, Karine**; THOMSON, 46 Quai Alphonse Le Gallo, F-92648 BOULOGNE cedex (FR).
H04N 3/32, H01J 29/82
- (21) International Application Number: PCT/EP03/02201
- (22) International Filing Date: 4 March 2003 (04.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
MI2002A000501 8 March 2002 (08.03.2002) IT
- (71) Applicant (for all designated States except US): **THOMSON LICENSING S.A.** [FR/FR]; 46 Quai Alphonse Le Gallo, F-92100 BOULOGNE-BILLANCOURT (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DI DOMENICO, Gildo** [IT/IT]; Via Michelangelo, I-00034 COLLEFERRO (IT). **ROMANI, Paolo** [IT/IT]; Via del Pontone, 46, I-03018 PALIANO (IT). **FIASEHETTI, Angelo** [IT/IT]; VIA MURATA N° 52, I-03017 MOROLO (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: DEFLECTION DEVICE FOR A CATHODE-RAY TUBE



(57) Abstract: Deflection system for a cathode-ray tube comprising a pair of vertical deflection coils and a pair of horizontal deflection coils, the two pairs being electrically insulated by a separator. The system also comprises auxiliary coils modulating the horizontal scan velocity. The support (9) for the auxiliary coils, made of plastic, comprises openings (32) placed under the location (30) of the said auxiliary coils so as to decrease the relative permittivity of the space between these coils and the neck of the tube, which tends to decrease the occurrence of electric arcs in the neck of the tube when switching it on.